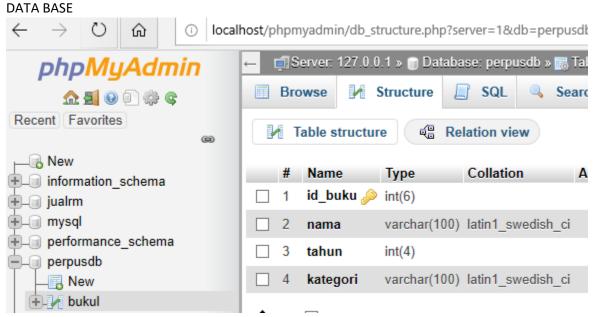
NAMA: AGUS HANAN
NIM: 177200038
KELAS: TI 6, Reguler sore



## **INPUT DATA**



## **HAPUS DATA**



## **EDIT DATA**



```
/*
* To change this license header, choose License Headers in Project Properties.
* To change this template file, choose Tools | Templates
* and open the template in the editor.
*/
package tugascrud;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.table.DefaultTableModel;
* @author chaba
*/
public class formbuku extends javax.swing.JFrame {
DefaultTableModel model;
  /**
  * Creates new form formbuku
  */
  public formbuku() {
    initComponents();
    String []judul={"ID_BUKU","Nama","Tahun","Kategori"};
    model = new DefaultTableModel(judul,0);
    jTable1.setModel(model);
```

```
tampilkan();
}
/**
* This method is called from within the constructor to initialize the form.
* WARNING: Do NOT modify this code. The content of this method is always
* regenerated by the Form Editor.
*/
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {
  jLabel1 = new javax.swing.JLabel();
  jLabel2 = new javax.swing.JLabel();
  jLabel3 = new javax.swing.JLabel();
  jLabel4 = new javax.swing.JLabel();
  jLabel5 = new javax.swing.JLabel();
  Text1 = new javax.swing.JTextField();
  Text2 = new javax.swing.JTextField();
  btntam = new javax.swing.JButton();
  btnhap = new javax.swing.JButton();
  btnedi = new javax.swing.JButton();
  btnkel = new javax.swing.JButton();
  jScrollPane1 = new javax.swing.JScrollPane();
  jTable1 = new javax.swing.JTable();
  Text5 = new javax.swing.JTextField();
  btncar = new javax.swing.JButton();
  jLabel6 = new javax.swing.JLabel();
  Text3 = new javax.swing.JTextField();
```

```
Text4 = new javax.swing.JTextField();
btnber = new javax.swing.JButton();
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setBackground(java.awt.SystemColor.controlHighlight);
jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 24)); // NOI18N
jLabel1.setText("Perpustakaan Mandiri");
jLabel2.setText("ID BUKU :");
jLabel3.setText("Nama:");
jLabel4.setText("Tahun :");
jLabel5.setText("Kategori:");
Text1.addActionListener(new java.awt.event.ActionListener() {
  public void actionPerformed(java.awt.event.ActionEvent evt) {
    Text1ActionPerformed(evt);
  }
});
Text1.addKeyListener(new java.awt.event.KeyAdapter() {
  public void keyTyped(java.awt.event.KeyEvent evt) {
    Text1KeyTyped(evt);
  }
});
btntam.setText("Tambah");
```

```
btntam.addActionListener(new java.awt.event.ActionListener() {
  public void actionPerformed(java.awt.event.ActionEvent evt) {
    btntamActionPerformed(evt);
  }
});
btnhap.setText("Hapus");
btnhap.addActionListener(new java.awt.event.ActionListener() {
  public void actionPerformed(java.awt.event.ActionEvent evt) {
    btnhapActionPerformed(evt);
  }
});
btnedi.setText("Edit");
btnedi.addActionListener(new java.awt.event.ActionListener() {
  public void actionPerformed(java.awt.event.ActionEvent evt) {
    btnediActionPerformed(evt);
  }
});
btnkel.setText("Keluar");
btnkel.addActionListener(new java.awt.event.ActionListener() {
  public void actionPerformed(java.awt.event.ActionEvent evt) {
    btnkelActionPerformed(evt);
  }
});
jTable1.setModel(new javax.swing.table.DefaultTableModel(
  new Object [][] {
```

```
{null, null, null, null},
    {null, null, null, null},
    {null, null, null, null},
    {null, null, null, null}
  },
  new String [] {
    "Title 1", "Title 2", "Title 3", "Title 4"
  }
));
jTable1.addMouseListener(new java.awt.event.MouseAdapter() {
  public void mouseClicked(java.awt.event.MouseEvent evt) {
    jTable1MouseClicked(evt);
  }
});
jScrollPane1.setViewportView(jTable1);
btncar.setText("Cari");
btncar.addActionListener(new java.awt.event.ActionListener() {
  public void actionPerformed(java.awt.event.ActionEvent evt) {
    btncarActionPerformed(evt);
  }
});
jLabel6.setText("Cari Berdasarkan Nama Buku:");
btnber.setText("Bersihkan");
btnber.addActionListener(new java.awt.event.ActionListener() {
  public void actionPerformed(java.awt.event.ActionEvent evt) {
    btnberActionPerformed(evt);
```

```
}
    });
    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
      layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(layout.createSequentialGroup()
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
          .addGroup(layout.createSequentialGroup()
            .addGap(246, 246, 246)
            .addComponent(jLabel1))
          .addGroup(layout.createSequentialGroup()
            .addGap(59, 59, 59)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
              .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                  .addGroup(layout.createSequentialGroup()
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                       .addComponent(jLabel2)
                       .addComponent(jLabel3)
                       .addComponent(jLabel4))
                    .addGap(18, 18, 18)
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                       .addComponent(Text1, javax.swing.GroupLayout.PREFERRED_SIZE, 134,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addComponent(Text2, javax.swing.GroupLayout.PREFERRED_SIZE, 283,
javax.swing.GroupLayout.PREFERRED_SIZE)
                      .addComponent(Text3, javax.swing.GroupLayout.PREFERRED_SIZE, 78,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                  .addGroup(layout.createSequentialGroup()
                    .addComponent(jLabel5)
                    .addGap(18, 18, 18)
                    .addComponent(Text4)))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 79,
Short.MAX_VALUE)
                .addComponent(btnber)
                . add Preferred Gap (javax.swing. Layout Style. Component Placement. RELATED) \\
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                  .addComponent(btntam, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
                  .addComponent(btnhap, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)
                  .addComponent(btnedi, javax.swing.GroupLayout.DEFAULT SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                  .addComponent(btnkel, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)))
              .addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.LEADING)
              .addGroup(layout.createSequentialGroup()
                .addGap(0, 0, Short.MAX_VALUE)
                .addComponent(jLabel6)
                .addGap(18, 18, 18)
                .addComponent(Text5, javax.swing.GroupLayout.PREFERRED_SIZE, 156,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(btncar)))))
        .addGap(99, 99, 99))
```

```
);
    layout.setVerticalGroup(
      layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(layout.createSequentialGroup()
        .addGap(36, 36, 36)
        .addComponent(jLabel1)
        .addGap(22, 22, 22)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
          .addComponent(jLabel2)
          .addComponent(Text1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
          .addComponent(btntam))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
          .addComponent(jLabel3)
          .addComponent(Text2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
          .addComponent(btnhap))
        .addGap(12, 12, 12)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
          .addComponent(jLabel4)
          .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(btnedi)
            .addComponent(Text3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT SIZE, javax.swing.GroupLayout.PREFERRED SIZE)))
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
          .addGroup(layout.createSequentialGroup()
            .addGap(18, 18, 18)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
              .addComponent(jLabel5)
```

```
.addComponent(Text4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
          .addGroup(layout.createSequentialGroup()
            .addGap(8, 8, 8)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
              .addComponent(btnkel)
              .addComponent(btnber))))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 18,
Short.MAX_VALUE)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
          .addComponent(Text5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
          .addComponent(btncar)
          .addComponent(jLabel6))
        .addGap(18, 18, 18)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED SIZE, 255,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap())
    );
    pack();
  }// </editor-fold>
  private void Text1ActionPerformed(java.awt.event.ActionEvent evt) {
   // TODO add your handling code here:
  }
  private void btntamActionPerformed(java.awt.event.ActionEvent evt) {
  try {
   // TODO add your handling code here:
```

```
Connection cn= DriverManager.getConnection("jdbc:mysql://localhost:3306/perpusdb","root","");
    cn.createStatement().executeUpdate("insert into bukul
values"+"('"+Text1.getText()+"','"+Text2.getText()+"',""+Text3.getText()+"',""+Text4.getText()+"')");
    tampilkan();
    reset();
  } catch (SQLException ex) {
    Logger.getLogger(formbuku.class.getName()).log(Level.SEVERE, null, ex);
  }
  }
  private void Text1KeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (Text1.getText().length() == 6){
      evt.consume();
    }
  }
  private void btnediActionPerformed(java.awt.event.ActionEvent evt) {
  try {
    // TODO add your handling code here:
    Connection cn= DriverManager.getConnection("jdbc:mysql://localhost:3306/perpusdb","root","");
    cn.createStatement().executeUpdate("update bukul set nama=""+Text2.getText()+"',
tahun=""+Text3.getText()+"", kategori=""+Text4.getText()+"" where id_buku=""+Text1.getText()+""");
    tampilkan();
    reset();
  } catch (SQLException ex) {
    Logger.getLogger(formbuku.class.getName()).log(Level.SEVERE, null, ex);
  }
```

```
}
private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {
 // TODO add your handling code here:
  int i = jTable1.getSelectedRow();
  if(i>-1){}
    Text1.setText(model.getValueAt(i, 0).toString());
    Text2.setText(model.getValueAt(i, 1).toString());
    Text3.setText(model.getValueAt(i, 2).toString());
    Text4.setText(model.getValueAt(i, 3).toString());
 }
}
private void btnberActionPerformed(java.awt.event.ActionEvent evt) {
  // TODO add your handling code here:
  reset();
  tampilkan();
}
private void btnhapActionPerformed(java.awt.event.ActionEvent evt) {
try {
 // TODO add your handling code here:
  Connection cn= DriverManager.getConnection("jdbc:mysql://localhost:3306/perpusdb","root","");
  cn.createStatement().executeUpdate("delete from bukul where id_buku=""+Text1.getText()+""");
  tampilkan();
  reset();
} catch (SQLException ex) {
  Logger.getLogger(formbuku.class.getName()).log(Level.SEVERE, null, ex);
```

```
}
  }
  private void btnkelActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    System.exit(0);
  }
  private void btncarActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    int row = jTable1.getRowCount();
    for(int a=0;a<row;a++){</pre>
      model.removeRow(0);
    }
  try {
    Connection cn= DriverManager.getConnection("jdbc:mysql://localhost:3306/perpusdb","root","");
    ResultSet rs = cn.createStatement().executeQuery("select * from bukul where
nama='"+Text5.getText()+""");
    while(rs.next()){
      String data[]={rs.getString(1),rs.getString(2),rs.getString(3),rs.getString(4)};
      model.addRow(data);
    }
  } catch (SQLException ex) {
    Logger.getLogger(formbuku.class.getName()).log(Level.SEVERE, null, ex);
  }
  }
  * @param args the command line arguments
```

```
*/
  public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
     * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
      for (javax.swing.UIManager.LookAndFeelInfo info:
javax.swing.UIManager.getInstalledLookAndFeels()) {
        if ("Nimbus".equals(info.getName())) {
          javax.swing.UIManager.setLookAndFeel(info.getClassName());
          break;
        }
      }
    } catch (ClassNotFoundException ex) {
      java.util.logging.Logger.getLogger(formbuku.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {
      java.util.logging.Logger.getLogger(formbuku.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {
      java.util.logging.Logger.getLogger(formbuku.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
      java.util.logging.Logger.getLogger(formbuku.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    }
    //</editor-fold>
```

```
/* Create and display the form */
  java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
       new formbuku().setVisible(true);
    }
  });
}
// Variables declaration - do not modify
private javax.swing.JTextField Text1;
private javax.swing.JTextField Text2;
private javax.swing.JTextField Text3;
private javax.swing.JTextField Text4;
private javax.swing.JTextField Text5;
private javax.swing.JButton btnber;
private javax.swing.JButton btncar;
private javax.swing.JButton btnedi;
private javax.swing.JButton btnhap;
private javax.swing.JButton btnkel;
private javax.swing.JButton btntam;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
// End of variables declaration
```

```
private void tampilkan() {
    int row = jTable1.getRowCount();
    for(int a=0;a<row;a++){</pre>
      model.removeRow(0);
    }
  try {
    Connection cn= DriverManager.getConnection("jdbc:mysql://localhost:3306/perpusdb","root","");
    ResultSet rs = cn.createStatement().executeQuery("select * from bukul");
    while(rs.next()){
      String data[]={rs.getString(1),rs.getString(2),rs.getString(3),rs.getString(4)};
      model.addRow(data);
    }
  } catch (SQLException ex) {
    Logger.getLogger(formbuku.class.getName()).log(Level.SEVERE, null, ex);
  }
  }
  private void reset(){
    Text1.setText("");
    Text2.setText("");
    Text3.setText("");
    Text4.setText("");
    Text5.setText("");
}
}
```